



# Rabbit Anti-Human CDC6 monoclonal antibody, clone TE19-58 (CABT-L811)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	Phospho-Cdc6 (S54)
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	TE19-58
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF
<b>Molecular Weight</b>	63 kDa
<b>Cellular Localization</b>	Nucleus, Cytoplasm.
<b>Positive Control</b>	A431, HeLa, HepG2.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

---

## BACKGROUND

**Introduction**

Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division control (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein Tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory Tyrosine residues. Cdc6 is the human homolog of *Saccharomyces cerevisiae* Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with HSP 90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (x complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

---

**Keywords**

Cdc 18L;Cdc 6;CDC18 (cell division cycle 18, *S.pombe*, homolog) like;CDC18 (*S.pombe*);Cdc18 related protein;CDC18(*S.pombe*);Cdc18-related protein;Cdc18L;cdc6;CDC6 cell division cycle 6 homolog;CDC6 related protein;CDC6-related protein;CDC6\_HUMAN;Cdc6p;CELL CYCLE CONTROLLER CDC6;Cell division control protein 6;Cell division control protein 6 homolog;Cell division cycle 6 homolog (*S. cerevisiae*);Cell division cycle 6 homolog;Cell division cycle 6, *S. cerevisiae*, homolog of;HsCDC 6;HsCDC18;HsCDC6;p62;p62(cdc 6);p62(cdc6) antibody

---

## GENE INFORMATION

**Entrez Gene ID**

[990](#)

---

**UniProt ID**

[A0A024R1S2](#)

---